

Work Order ID 131342

Thursday, April 02, 2015 11:44:11 AM

131342

Page 1

Item ID: PB67-43001-27

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Item Name: Blade Positioner

Stop ***NS2***

Start Date: 4/2/2015 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 4/30/2015 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: MFC Date: 15-4-2 Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***
Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
B67-43001-27	Rev C

100	Small Fab	0.00							DAS 24 9-89
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100

Small Fab

Small Fab

Memo

0.00

1- slide -289 , -291 and -293 on -19 tube then slide it in -285 tube2- drill holes 0.159 (#21) thru -285 into -289 in (3) place and tap 10-32 UNF as per dwg 3- assemble all parts as per dwg PB67-43001

1 APR 29 2015

110	QC5- Inspect part completeness to step on W/O	0.00							
-----	---	------	--	--	--	--	--	--	--

110

QC

Quality Control

Memo

0.00

13-05-05

DAS
9
9-89

120	Identify as per dwg & Stock Location: _____	0.00							
-----	---	------	--	--	--	--	--	--	--

120

Packaging

Packaging

Memo

0.00

131335

DAS
86
9-89

MAY 06 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							

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Page 2

Item ID: PB67-43001-27 Accept ***N900040100*** Setup Start ***NS1***
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Required Date: 4/30/2015 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	QC21- Final Inspection - Work Order Release	0.00							
130									
QC	Memo	0.00							
Quality Control									

ML3 **MAY 06 2015**

MC
15-5-6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
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				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Picklist Print

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Work Order ID: 131342

131342

Parent Item: PB67-43001-27

PR67-43001-27

Parent Item Name: Blade Positioner

Start Date: 4/2/2015

Required Date: 4/30/2015

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 08-07-29 new issue DD verified by:ec
IPP Rev:B 08-12-04 up date part list DD Verified by:ec IPP Rev
C 10.09.28 per rev C dwg EC verified by:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
PB67-43001-19		Manufactured	No			100	Each	0.0000	1	1			
PR67-43001-19									**	3131366 → 1		APR 29 2015	
Inner Tube And Retainer Bushing													
PB67-43001-29		Manufactured	No			100	Each	0.0000	1	1			
PR67-43001-29									**	131362 mwf 15-4-08			
Blade Positioner Weldment													
PB67-43001-31		Manufactured	No			100	Each	9.0000	1	1			
PR67-43001-31									**				
Upper Restraint Weldment													
Location Mezz2 111808													
PB67-43001-35		Manufactured	No			100	Each	14.0000	1	1			
PR67-43001-35									**				
Lower Pad Assembly													
Location Mezz2 100031 111762													
PB67-43001-285		Manufactured	No			100	Each	0.0000	1	1			
PR67-43001-285									**	131364		mwf 15-4-08	
Upper Tube, Blade Positioner													

DAS
24
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
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Work Order ID: 131342

131342

Parent Item: PB67-43001-27

PR67-43001-27

Parent Item Name: Blade Positioner

Start Date: 4/2/2015

Required Date: 4/30/2015

Start Qty: 1.00

Required Qty: 1.00

PB67-43001-289

Manufactured No

100

Each

4.0000

1

1

PR67-43001-289

Stationary Handle Adjustment Fitting

Location

Loc Qty

Loc Code

Mezz2

4

113428

4

MR 15-4-22
1

PB67-43001-291

Manufactured No

100

Each

15.0000

1

1

PR67-43001-291

Clamp Bushing

Location

Loc Qty

Loc Code

Mezz2

15

114030

15

MR 15-4-22
1

PB67-43001-293

Manufactured No

100

Each

5.0000

1

1

PR67-43001-293

Extension Tube Adjustment Fitting

Location

Loc Qty

Loc Code

Mezz2

5

110602

5

MR 15-4-22
1

AN6-22A

Purchased No

100

Each

25.0000

1

1

AN6-22A

BOLT

DAS
27

9-89

APR 17 2015

Location

Loc Qty

Loc Code

ST334

25

111060

5

M128403

20

1

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
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Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
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Work Order ID: 131342

131342

Parent Item: PB67-43001-27

PR67-43001-27

Parent Item Name: Blade Positioner

Start Date: 4/2/2015

Required Date: 4/30/2015

Start Qty: 1.00

Required Qty: 1.00

MS21042L6

Purchased

No

100

Each

407.0000

1

1

MS21042L 6

Nut

DAS

27

9-39

APR 17 2015

Location

Loc Qty

Loc Code

ST273A

200

m131624

200

ST305

7

m129909

1

m130799

6

t260a

200

m131317

200

MS27039-1-04

Purchased

No

100

Each

155.0000

3

3

MS27039-1-04

Screw

DAS

27

9-39

APR 17 2015

Location

Loc Qty

Loc Code

ST286

155

m131049

155

MS27039-1-08

Purchased

No

100

Each

1,139.000

1

1

MS27039-1-08

Screw

DAS

27

9-39

APR 17 2015

Location

Loc Qty

Loc Code

CA

96

m128636

96

FP001

425

m128636

425

GA

2

125654

2

ST285

616

m128636

616

Thursday, April 02, 2015 11:44:10 AM

Shop Packet Print

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Parent Item: PB67-43001-27

Parent Item Name: Blade Positioner

131342

PR67-43001-27

Start Date: 4/2/2015

Required Date: 4/30/2015

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-09

Purchased

No

100

Each

371.0000

6

6

MS27039-1-09

Screw

DAS

27

9-27

Location

Loc Qty

Loc Code

FP001

34

18057

34

GA

36

124859

36

ST273A

200

125646

200

ST285

101

124859

31

m129541

58

m130388

12

MS51859-8

Purchased

No

100

Each

89.0000

2

2

MS51859-8

Washer

DAS

27

9-27

Location

Loc Qty

Loc Code

ST273

89

m127993

89

NAS1149F0316P

Purchased

No

100

Each

51.0000

7

7

NAS1149F0316P

WASHER

DAS

27

9-27

APR 17 2015

Location

Loc Qty

Loc Code

st268

51

113644

51

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Shop Packet Print

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Picklist Print

Thursday, April 02, 2015 11:44:10 AM

Page 5

Work Order ID: 131342

Parent Item: PB67-43001-27

Parent Item Name: Blade Positioner

131342

PR67-43001-27

Start Date: 4/2/2015

Required Date: 4/30/2015

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0363P

Purchased

No

100

Each

513.0000

3

3

NAS1149F0363P

WASHER

DAS

27

~~9.89~~

Location

Loc Qty

Loc Code

ST260a

512

124555

512

st268

1

125445

1

NAS1149F0632P

Purchased

No

100

Each

144.0000

2

2

NAS1149F0632P

WASHER

DAS

27

~~9.89~~

Location

Loc Qty

Loc Code

ST267

144

18057

144

APR 17 2015

DQA: _____ Date: _____

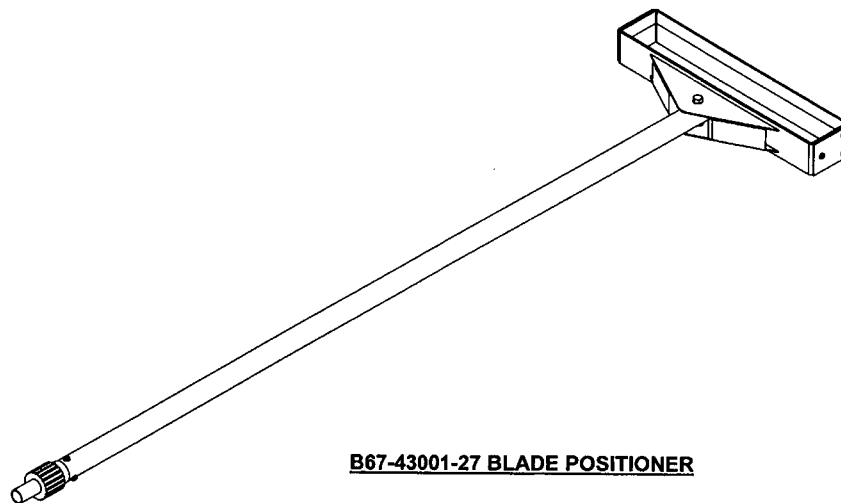


WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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B67-43001-27 BLADE POSITIONER

ITEM	QTY. -27	P/N	DESCRIPTION
	X	B67-43001-27	BLADE POSITIONER
1	1	B67-43001-19	INNER TUBE AND RETAINER BUSHING
2	1	B67-43001-29	BLADE POSITIONER WELDMENT
3	1	B67-43001-31	UPPER RESTRAINT ASSEMBLY
4	1	B67-43001-35	LOWER PAD ASSEMBLY
5	1	B67-43001-285	UPPER TUBE, BLADE POSITIONER
6	1	B67-43001-289	STATIONARY HANDLE ADJUSTMENT FITTING
7	1	B67-43001-291	CLAMP BUSHING
8	1	B67-43001-293	EXTENSION TUBE ADJUSTMENT FITTING
9	1	AN6-22A	BOLT
10	1	MS21042L6	NUT
11	3	MS27039-1-04	SCREW
12	1	MS27039-1-08	SCREW
13	6	MS27039-1-09	SCREW
14	2	MS51859-8	WASHER
15	7	NAS1149F0316P	WASHER
16	3	NAS1149F0363P	WASHER
17	2	NAS1149F0632P	WASHER

mf
#131342

RELEASED
2010-09-21
MM

- NOTES:**
- 1) MATERIAL: NONE
 - 2) FINISH: TOUCH UP PAINT WITH SANDFLEX GREEN.
POSSIBLE SUPPLIER BERTRAND BODY SHOP SUPPLIES P/N DART01K
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY WITH RED LABEL
 - 7) WEIGHT: 7.07 lbs
 - 8) DRILL THRU B67-43001-285/-289 PRIOR TO ASSEMBLY
 - 9) DO NOT TORQUE NUT ON BOLT: TIGHTEN UNTIL SNUG
 - 10) MATCH DRILL $\varnothing$ 0.193 HOLE THRU B67-43001-29 WITH NUTPLATES LOCATED ON B67-43001-35

C		REDRAWN PREMIER AVIATION DRAWING IAW DART QSI 018 AND QSI 043. FOR PREVIOUS REVISIONS, REFER TO SHEET 4 OF PREMIER AVIATION DRAWING No. B67-43001. REASON: SEE PAR#08-011.		VS	10.06.10
REV.	DESCRIPTION			BY	DATE
DESIGN	RW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWN	VS				
CHECKED	VS	DRAWING NO.	REV. C		
MFG. APPR.	VS	B67-43001-27	SHEET 1 OF 3		
APPROVED	VS	TITLE	SCALE		
DE APPR.	VS	BLADE POSITIONER	NTS		
DATE	10.06.10	COPYRIGHT © 1995 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

DQA: _____ Date: _____



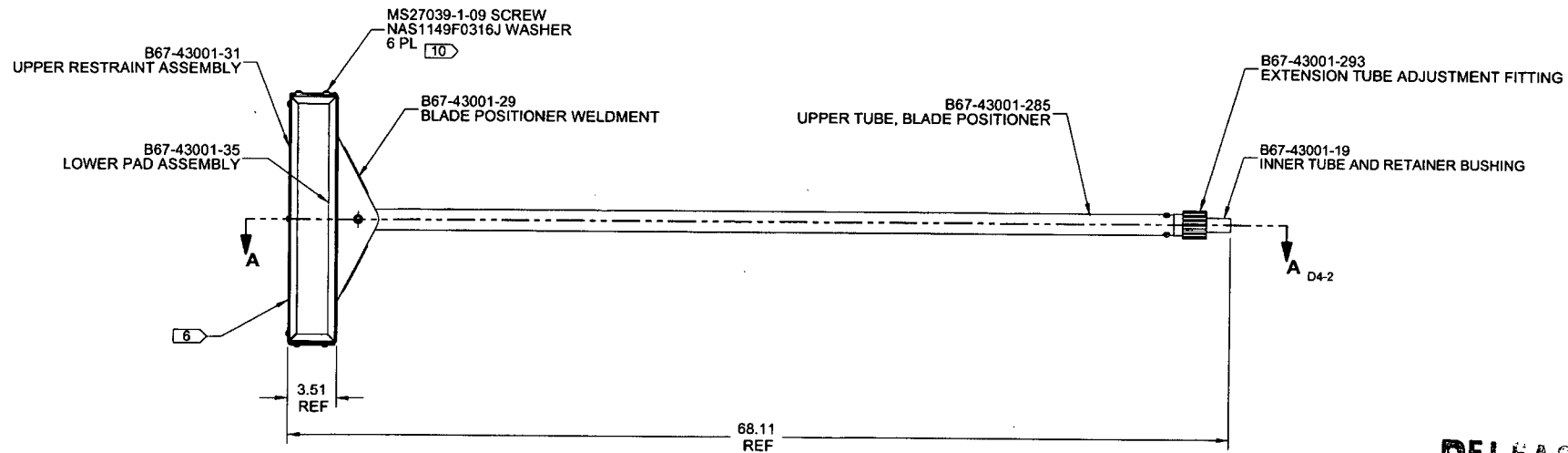
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Misidentified ☐	Past Due ☐																																																																

SECTION A-A B2-2



B67-43001-27 BLADE POSITIONER

RELEASED
2010-09-21
AM

DESIGN	RW	DART AEROSPACE LTD	
DRAWN	VS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AS	DRAWING NO.	REV. C
MFG. APPR.	AM	B67-43001-27	SHEET 2 OF 3
APPROVED	AM	TITLE	SCALE
DE APPR.	NA	BLADE POSITIONER	NTS
DATE	10.06.10	COPYRIGHT © 1995 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

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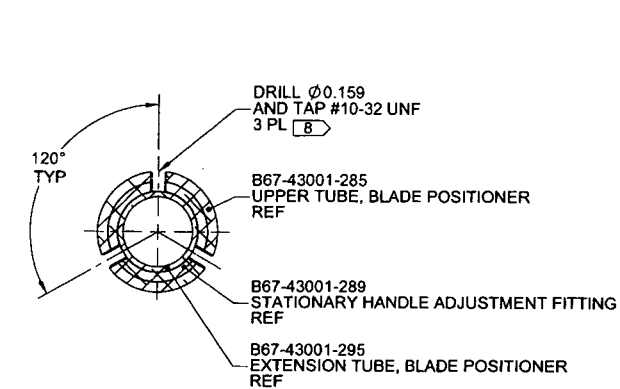


WORK ORDER NON-CONFORMANCE / UPDATE

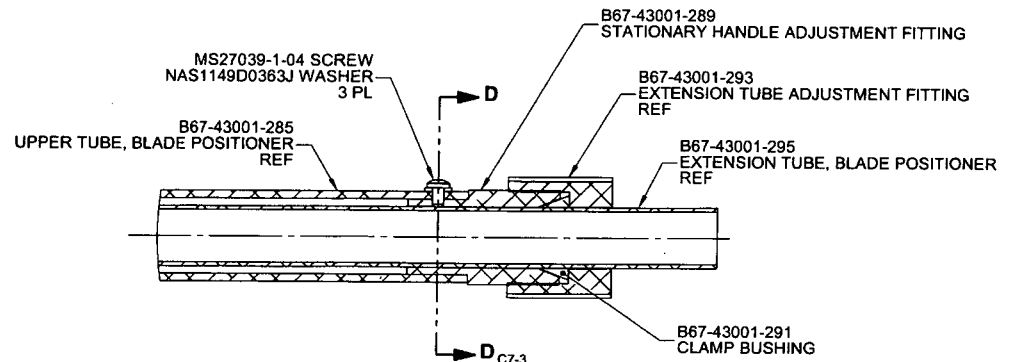
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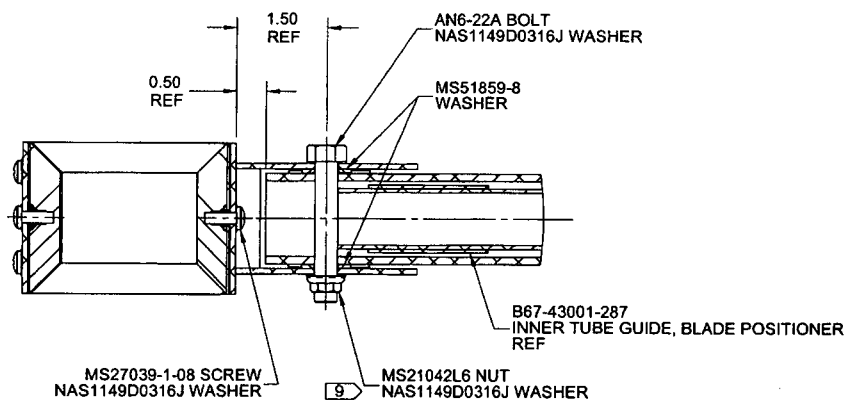
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				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					



SECTION D-D C3-3
(HARDWARE NOT SHOWN FOR CLARITY)



DETAIL C D3-2
SCALE 4X



DETAIL B D7-2
SCALE 4X

RELEASED
2010-09-21
JH

DESIGN	RW	DART AEROSPACE LTD	
DRAWN	VS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		B67-43001-27	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		BLADE POSITIONER	NTS
DATE	10.06.10	COPYRIGHT © 1995 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								